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- (71) Applicant (for all designated States except US): IM-MERGE BIOTHERAPEUTICS, INC. [US/US]; 300 Technology Square, Cambridge, MA 02139 (US).
- (72) Inventor: HAWLEY, Robert, J. [US/US]; 46 Davelin Road, Wayland, MA 01778 (US).
- (74) Agent: KEOWN, Wayne, A.; Keown & Associates, 500 West Cummings Park, Suite 1200, Woburn, MA 01801 (US).
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(54) Title:  $\alpha(1,3)$ -GALACTOSYLTRANSFERASE NULL CELLS, METHODS OF SELECTING AND  $\alpha(1,3)$ -GALACTOSYLTRANSFERASE NULL SWINE PRODUCED THEREFROM

(57) Abstract: The invention relates to the genetic manipulation of non-human animals. More particularly, the invention relates to genetic manipulation of non-human animals to be used for xenotransplantation. The invention provides a method of selecting GGTA 1 null cells, a viable GGTA 1 null swine, methods for making such swine, and methods of using cells, tissues and organs of such swine for xenotransplantation.



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